



**Energy Information Administration
U.S. Department of Energy
Uranium Industry Annual Survey
Survey Year 1999
Schedule A**

Form Approved 10/27/97
OMB Number 1905-0160
Expiration Date: 10/31/2000

Data on this mandatory survey are collected under authority of Section 13(b) Federal Energy Administration Act of 1974 (Public Law 93-275), and section 1015 of the Energy Policy Act of 1992 (Public Law 102-486). Provisions regarding sanctions are described in Part IV, page i of the instructions. Provisions regarding the confidentiality of information submitted in response to this survey are set forth on page xiii of the instructions for Schedules A and B.

The public reporting burden for this form is estimated to average 25.0 hours per response, including the time of reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Please send your comments about this burden estimate, suggestions for reducing this burden, or any other aspect of this collection of information to: the Energy Information Administration, Statistics and Methods Group EI-70, 1000 Independence Avenue SW, Washington, DC 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

RESPONDENT IDENTIFICATION

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Parent Company: _____

Respondent ID (For EIA Use Only)

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APPLICABILITY OF SCHEDULE A

Check one box on each line under column (b) or (c). If Part II and Part III are applicable, give in column (d) the total number of properties and mills or plants reported.

EIA-858 Schedule and Part (a)	Applies to This Company (b)	Does Not Apply to This Company (c)	Number Submitted (d)
A, Part I: Exploration and Development	<input type="checkbox"/>	<input type="checkbox"/>	
A, Part II: Reserves and Mine Production by Property	<input type="checkbox"/>	<input type="checkbox"/>	
A, Part III: Uranium Milling and Processing	<input type="checkbox"/>	<input type="checkbox"/>	
A, Part IV: Employment	<input type="checkbox"/>	<input type="checkbox"/>	

CONTACT PERSON

Schedule A:

Name (Please print): _____ Title: _____

Signature: _____ Date: _____

Phone: (_____) _____ Fax: (_____) _____ - _____

E-Mail Address: _____ @ _____

Title 18 U.S.C. 1001 makes it a crime for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious or fraudulent statement or misrepresentation as to any matter within its jurisdiction.



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**SCHEDULE A: URANIUM RAW MATERIAL ACTIVITIES
Part I: Exploration and Development**

ITEM 1: JOINT VENTURE ARRANGEMENTS

Was your company the controlling partner in one or more joint ventures in the Survey Year? ☐ Yes ☐ No

If "Yes", list names of joint ventures. If "No", go to Item 2.

1. _____	4. _____
2. _____	5. _____
3. _____	6. _____

ITEM 2: EXPLORATION LAND STATUS AND COST FOR THE SURVEY YEAR

Exploration land acquired:	Acres
Cost of all exploration land acquired:	\$
Total exploration land released:	Acres
Total exploration land held, December 31st of Survey Year:	Acres

ITEM 3: EXPLORATION AND DEVELOPMENT DRILLING BY STATE AND TOTAL COST

Survey Year Drilling: Include drilling done for assessment under exploration drilling.

States	Exploration Drilling			Development Drilling		
	Holes	Feet	Cost	Holes	Feet	Cost
Arizona						
Colorado						
Nebraska						
New Mexico						
Texas						
Utah						
Washington						
Wyoming						
Other (Specify):						
Totals:			\$			\$

Following Year:Projected
Total Cost

Projected Estimates						\$
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**ITEM 4: OTHER EXPLORATION AND
DEVELOPMENT EXPENDITURES**
 (Include assessment activities)

All other expenditures: \$ _____

**ITEM 5: FOREIGN CONTRIBUTIONS TO
EXPLORATION EXPENDITURES**

Contribution by foreign-owned companies:

Survey Year: _____ %
 Following Year (planned): _____ %

**ITEM 6: EXPENDITURES FOR EXPLORATION
IN FOREIGN COUNTRIES**

Country	Total Expenditures	
	Survey Year	Following Year
	\$	\$
	\$	\$
	\$	\$
	\$	\$



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**SCHEDULE A: URANIUM RAW MATERIAL ACTIVITIES
Part II: Reserves and Mine Production by Property**

ITEM 7: PROPERTY INFORMATION**Identification:**

Property Name: _____ State: _____
Other Name(s) Used: _____ County: _____

Section(s)	Township N. or S.	Range E. or W.	Latitude N.	Longitude W.
			0 'N	0 'W
			0 'N	0 'W
			0 'N	0 'W

Ownership:

Name of Firm	Percent Ownership

Status: (Check only one):

- ☐ Only assessment work being done
☐ Exploration continuing
☐ Exploration completed
☐ Development drilling complete
☐ Under development for production
☐ Mine in production
☐ Mined out
☐ Mine closed temporarily } ____/____
☐ Mine closed permanently } MM/YR

Controllership:

If your firm no longer controls this property, identify the party to which it was transferred:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (____) _____-- _____

Studies Completed: (Check all that apply):

- ☐ Preliminary reserves estimate
☐ Final reserves estimate
☐ Preliminary feasibility study
☐ Final feasibility study
☐ Mining plan

ITEM 8: PROPERTY URANIUM RESERVES ESTIMATES

Mining Method	Reserves Component	Reserves Quantities by Cost Category (\$ per pound U ₃ O ₈)					
		\$15	\$30	\$50	\$100	\$	\$
Openpit	Ore (1000 tons)						
	U ₃ O ₈ (1000 lbs)						
	V ₂ O ₅ (1000 lbs)						
Underground	Ore (1000 tons)						
	U ₃ O ₈ (1000 lbs)						
	V ₂ O ₅ (1000 lbs)						
In Situ Leach	Ore (Grade % or 1000 tons)						
	U ₃ O ₈ (1000 lbs)						
Other (Specify)	Ore (Grade % or 1000 tons)						
	U ₃ O ₈ (1000 lbs)						

Reserves estimation date: ____/____(MM/YY)

ITEM 9: OPERATING COST USED IN ESTIMATING RESERVES

Mining Method	Operating Cost (\$ per Ton of Ore)					
	Direct Mining	Haulage	Royalty	Direct Milling	Indirect Costs	Other ¹
Openpit	\$	\$	\$	\$	\$	\$
Underground	\$	\$	\$	\$	\$	\$
	\$/Lb U ₃ O ₈ Recovered					
In Situ Leach	\$	<div style="border: 1px solid black; padding: 5px;"> ¹Define Other Costs: _____ </div>				
Other (Specify):	\$					



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**SCHEDULE A: URANIUM RAW MATERIAL ACTIVITIES
Part II: Reserves and Mine Production by Property (Continued)**

Property Name: _____

ITEM 10: CAPITAL COSTS BY MINING METHOD**Capital Costs for Development, Construction and Equipment**

Mining Method	Capital Costs	
	Mine or ISL Field	Mill or Plant
Openpit	\$	\$
Underground	\$	\$
<i>In Situ</i> Leach	\$	\$
Other ¹	\$	\$

¹Other: (Specify method chosen) _____**ITEM 11: DRILLING AND RESERVES ESTIMATION PARAMETERS**

Number of holes drilled, including barren holes, in the reserves outline:

During the Survey Year: _____ Holes.

Prior to the Survey Year: _____ Holes.

Reserves Estimate Parameters	Openpit	Underground	<i>In Situ</i> Leach
Break-even cutoff grade (Percent U ₃ O ₈)			
Grade x thickness (Feet Percent)			
Cutoff ore thickness			
Minimum mining height (Feet)			
Average area of influence per ore hole (Sq Ft)			
Tonnage factor (Cubic Feet per Ton)			
Mine Recovery factor (Percent)			
Mill or plant recovery (Percent)			
Average depth to ore (Feet)			
Average ore thickness (Feet)			
Average ore grade (Percent U ₃ O ₈)			

ITEM 12: MINE PRODUCTION AND SHIPMENTS OF ORE OR PREGNANT SOLUTIONS**Uranium and Vanadium Mined**

Mining Method	Ore (Tons)	Contained U ₃ O ₈ (Pounds)	Contained V ₂ O ₅ (Pounds)
Openpit			
Underground			
<i>In Situ</i> Leach	(Grade):		
Other ¹	(Tons or Grade):		

¹Other, please specify: _____**Shipment of Ore or Pregnant Solutions**

Shipment Destination		Ore (Tons)	Contained U ₃ O ₈ (Pounds)	Contained V ₂ O ₅ (Pounds)
Facility	Facility Name			
To Stockpile				
To Mill or Plant				
To Others				



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**SCHEDULE A: URANIUM RAW MATERIAL ACTIVITIES
Part III: Uranium Milling and Processing**

ITEM 13: MILL OR PLANT INFORMATION**Name and Location:**

Facility Name : _____ State: _____

Other Name(s) Used: _____ County: _____

Type of Facility:☐ Conventional mill☐ Nonconventional plant☐ Other (Specify): _____

Section(s)	Township N. or S.	Range E. or W.	Latitude N.	Longitude W.
			0 'N	0 'W
			0 'N	0 'W
			0 'N	0 'W

Ownership:

Name of Firm	Percent Ownership

Controllership:

If your firm no longer controls this facility, identify the party to which it was transferred:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____ -- _____

Indicate the nature of the arrangement between your firm and the firm named above (mark one):

☐ Title transfer ☐ Contract ☐ Lease☐ Other arrangement (Specify): _____**ITEM 14: RATED CAPACITY**Conventional mill (Tons ore per day)¹Nonconventional plant (Lbs U₃O₈ per yr)¹¹See provisions regarding confidentiality of information in the instructions.**ITEM 15: OPERATING STATUS DURING SURVEY YEAR**

Number of days operated in Survey Year. Nominal: _____ Days Actual: _____ Days

Was facility operated throughout Survey Year? ☐ Yes ☐ No If No, give closing date: ____/____ MM/YYWas facility operating at end of Survey Year?¹ ☐ Yes ☐ No**If facility did not operate during Survey Year:**☐ Closed temporarily (Restart planned for Following Year)☐ Closed indefinitely (Following Year restart not planned)☐ Closed permanently (Will not be restarted)☐ Reclaimed (Restoration in progress or completed)☐ Other status (Please specify): _____

Holding (standby) cost per year

\$

One-time cost to reopen

\$

Months required to return plant to full production, if decided on December 31st of the Survey Year

_____ months

¹See provisions on confidentiality of information in the instructions.**ITEM 16: URANIUM CONCENTRATE PRODUCTION**

Category		Conventional	Nonconventional
Ore Fed-to-Process	Tons Ore		
	Lbs U ₃ O ₈		
Other Mill Feed ¹ (Lbs U ₃ O ₈)			
In-Process Inventories (Lbs U ₃ O ₈) as of December 31st	Prior Year		
	Survey Year		
Possible Production: 100% Recovery (Lbs U ₃ O ₈)			
Total Plant Feed ² (Lbs U ₃ O ₈)			
Concentration Production (Lbs U ₃ O ₈)			
Tailings and Unaccountable (Lbs U ₃ O ₈)			
Recovery Percent			
Concentrate Inventories (Lbs U ₃ O ₈) as of December 31st	Prior Year		
	Survey Year		
Concentrate Shipped (Lbs U ₃ O ₈)			

¹Other Mill Feed:

(Check all sources)

☐ Mine water☐ Heap leach☐ Tailings water☐ Other (Specify): _____**²Total Plant Feed:**

(Check all sources)

☐ *In situ* Leach☐ Reclamation☐ Byproduct recovery☐ Other (Specify): _____



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**SCHEDULE A: URANIUM RAW MATERIAL ACTIVITIES
Part IV: Employment**

ITEM 17: EMPLOYMENT BY STATE

States	Employment (Person-Years): Include staff and contract personnel.				
	Exploration	Mining	Milling	Processing	Reclamation
Arizona					
Colorado					
Florida					
Nebraska					
New Mexico					
Texas					
Utah					
Washington					
Wyoming					
Other (Specify):					
Totals:					

COMMENTS FOR SCHEDULE A